Translation

PATENT COOPERATION TREATY

PCT/JP2002/012443

PCT

INTERNATIONAL PRELIMINARY EXAMINATION REPORT

(PCT Article 36 and Rule 70)

Applicant's or agent's file reference TOMITA-04	FOR FURTHER ACTION	See Notification of Transmittal of International Preliminary Examination Report (Form PCT/IPEA/416)
International application No. PCT/JP2002/012443	International filing date (*day/month/year*) 28 November 2002 (28.11.2002)	Priority date (*day/month/year*)
International Patent Classification (IPC) or national classification and IPC H04N 13/04		
Applicant TOMITA, Seijiro		

1. This international preliminary examination report has been prepared by this International Preliminary Examining Authority and is transmitted to the applicant according to Article 36.

2. This REPORT consists of a total of 3 sheets, including this cover sheet.

   ☒ This report is also accompanied by ANNEXES, i.e., sheets of the description, claims and/or drawings which have been amended and are the basis for this report and/or sheets containing rectifications made before this Authority (see Rule 70.16 and Section 607 of the Administrative Instructions under the PCT).

   These annexes consist of a total of 18 sheets.

3. This report contains indications relating to the following items:

   - I ☒ Basis of the report
   - II ☐ Priority
   - III ☐ Non-establishment of opinion with regard to novelty, inventive step and industrial applicability
   - IV ☐ Lack of unity of invention
   - V ☒ Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement
   - VI ☐ Certain documents cited
   - VII ☐ Certain defects in the international application
   - VIII ☐ Certain observations on the international application

Date of submission of the demand	Date of completion of this report
04 September 2003 (04.09.2003)	18 February 2004 (18.02.2004)
Name and mailing address of the IPEA/JP Facsimile No.	Authorized officer Telephone No.

INTERNATIONAL PRELIMINARY EXAMINATION REPORT

International application No.
PCT/JP2002/012443

I. Basis of the report

1. With regard to the **elements** of the international application:*

☐ the international application as originally filed

☒ the description:

pages 1, 7-22, as originally filed

pages _____, filed with the demand

pages 2-6/1,23-28/1, filed with the letter of 26 December 2003 (26.12.2003)

☒ the claims:

pages _____, as originally filed

pages _____, as amended (together with any statement under Article 19

pages _____, filed with the demand

pages 1-16, filed with the letter of 26 December 2003 (26.12.2003)

☐ the drawings:

pages _____, as originally filed

pages _____, filed with the demand

pages _____, filed with the letter of _____

☐ the sequence listing part of the description:

pages _____, as originally filed

pages _____, filed with the demand

pages _____, filed with the letter of _____

2. With regard to the **language**, all the elements marked above were available or furnished to this Authority in the language in which the international application was filed, unless otherwise indicated under this item.
These elements were available or furnished to this Authority in the following language _____ which is:

☐ the language of a translation furnished for the purposes of international search (under Rule 23.1(b)).

☐ the language of publication of the international application (under Rule 48.3(b)).

☐ the language of the translation furnished for the purposes of international preliminary examination (under Rule 55.2 and/or 55.3).

3. With regard to any **nucleotide and/or amino acid sequence** disclosed in the international application, the international preliminary examination was carried out on the basis of the sequence listing:

☐ contained in the international application in written form.

☐ filed together with the international application in computer readable form.

☐ furnished subsequently to this Authority in written form.

☐ furnished subsequently to this Authority in computer readable form.

☐ The statement that the subsequently furnished written sequence listing does not go beyond the disclosure in the international application as filed has been furnished.

☐ The statement that the information recorded in computer readable form is identical to the written sequence listing has been furnished.

4. ☒ The amendments have resulted in the cancellation of:

☐ the description, pages _____

☒ the claims, Nos. 17

☐ the drawings, sheets/fig _____

5. ☐ This report has been established as if (some of) the amendments had not been made, since they have been considered to go beyond the disclosure as filed, as indicated in the Supplemental Box (Rule 70.2(c)).**

* *Replacement sheets which have been furnished to the receiving Office in response to an invitation under Article 14 are referred to in this report as "originally filed" and are not annexed to this report since they do not contain amendments (Rule 70.16 and 70.17).*

** *Any replacement sheet containing such amendments must be referred to under item 1 and annexed to this report.*

INTERNATIONAL PRELIMINARY EXAMINATION REPORT

International application No.
PCT/JP02/12443

V. Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement

1. Statement

Novelty (N)	Claims	2, 4-6, 8, 10, 12-14, 16	YES
	Claims	1, 3, 7, 9, 11, 15	NO
Inventive step (IS)	Claims		YES
	Claims	1-16	NO
Industrial applicability (IA)	Claims	1-16	YES
	Claims		NO

2. Citations and explanations

Document 1: JP, 10-32840, A (Matsushita Electric Industrial Co., Ltd.), February 3, 1998
Document 2: JP, 9-121370, A (Matsushita Electric Industrial Co., Ltd.), May 6, 1997
Document 3: JP, 2000-78615, A (Sanyo Electric Co., Ltd.), March 14, 2000
Document 4: JP, 7-59119, A (Seiko Epson Corporation), March 3, 1995
Document 5: JP, 2000-253422, A (Toshiba Corporation), September 14, 2000

Document 1 describes an invention for controlling travel distance for left and right images displayed based on information from a camera. A distance between a convergence point and a camera of document 3 corresponds to "a distance to point of intersection between an optical axis of a left screen and an optical axis of a right screen when creating left/right images." Therefore, the inventions relating to claims 1, 3, 7, 9, 11 and 15 of the present application do not appear to be novel or involve an inventive step when compared to the invention described in document 1.

Document 2 describes an invention for determining a travel distance of left and right images based on resolution detecting part output, image display size, parallax calculation part output and information of distance between observer and display as determined by a visual distance measuring part. The inventions relating to claims 2 and 10 of the present application do not appear to involve an inventive step based on the inventions described in documents 1 and 2

Document 3 describes an invention for adjusting parallax by external control. The inventions relating to claims 4 and 12 do not appear to involve an inventive step based on the inventions described in documents 1 and 3.

Using a delay circuit comprising a frame memory to display a video image with parallax is described in document 4, and no particular difficulty can be found in creating the parallax effect of documents 1 through 3 with a delay circuit comprising frame memory, thus constituting the inventions relating to claims 5, 6, 13 and 14.

Document 5 describes an invention of a three-dimensional image apparatus for shifting an image object, wherein a gap is interpolated by shifting the image object; it also describes (fifth paragraph) interpolating a two-dimensional image by enlargement in the spatial axis direction. Therefore, no inventive step can be found in claims 8 and 16 of the present application over documents 1 through 5.